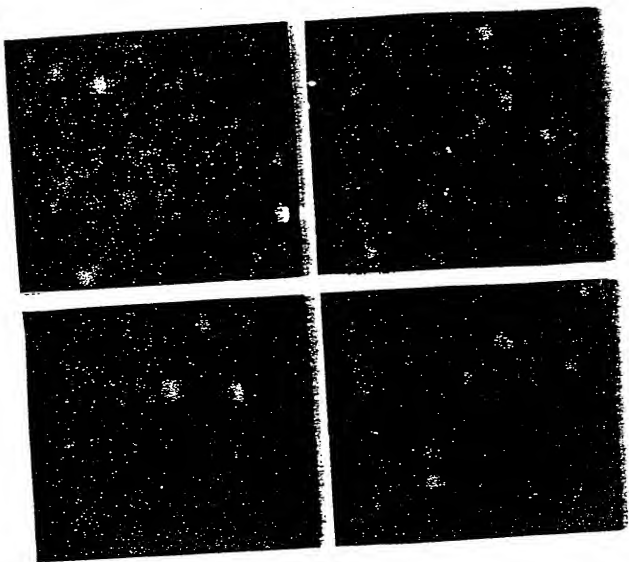


Figure
1

#4



00027150-101801

00927150-111971

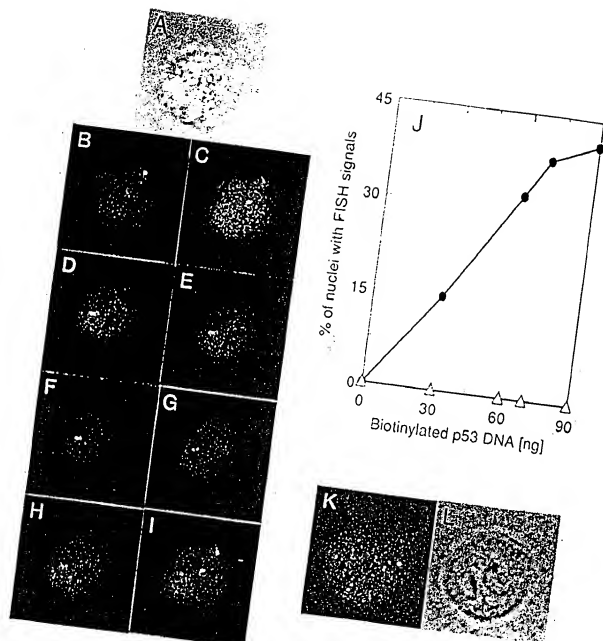


Figure 2

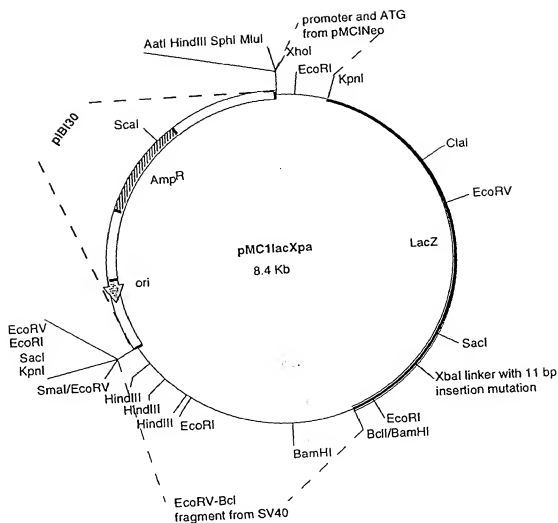


FIGURE 3

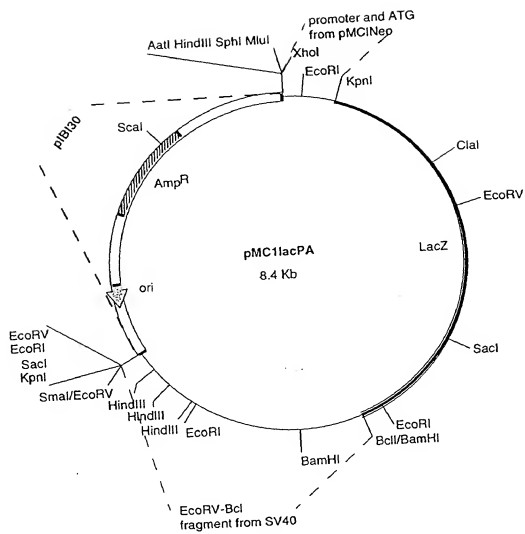
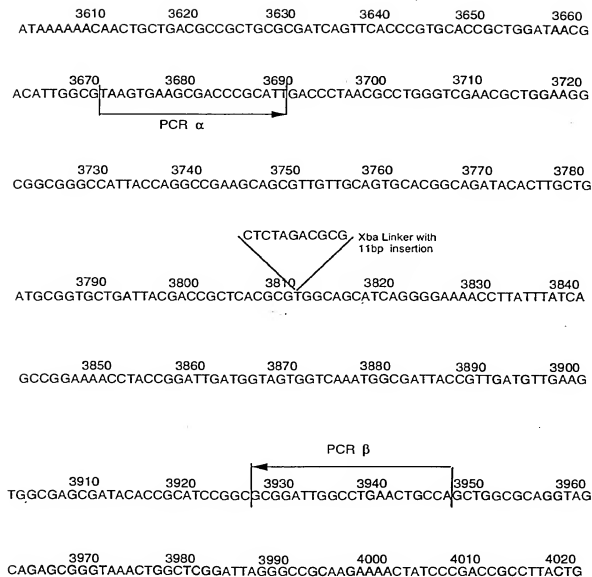


FIGURE 4

Figure 5



TEST FOR ALTERATION OF AN INSERTION MUTATION IN THE lacZ
(β -GALACTOSIDASE) GENE OF EUKARYOTIC EXPRESSION VECTOR

Experimental Sample	Injected Plasmid, DNA and RecA Protein	Number of Injected Surviving Cells	Number of Surviving Cells Scoring Blue	Surviving Cells Scoring Blue (%)
1	pSV- β -gal -276-mer - RecA	168	21	12.5
2	pMC1lacpa - 276-mer - RecA	98	9	9.2
3	pMC1lacXpa - 276-mer - RecA	173	0	0
4	pMC1lacXpa + 276-mer - RecA	103	0	0
5	pMC1lacXpa + 276-mer + RecA	168	6	3.6

Figure 6

00027456 101001

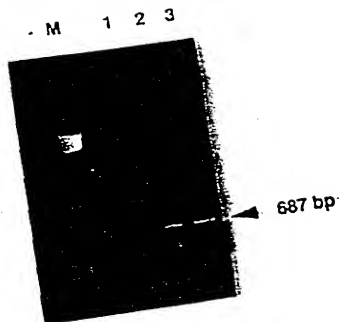


Figure 7A

Control (Σ CF)
 Σ CF Microinjected
 Σ CF P-L

Figure 7B



0002460-104001

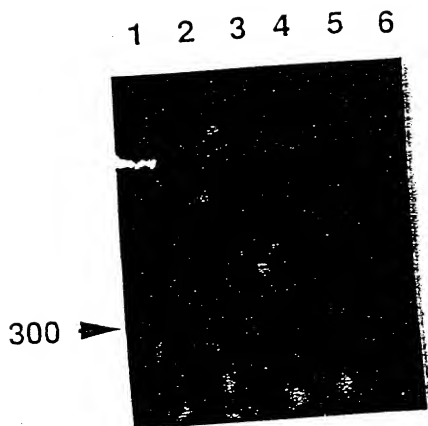


Figure
8A

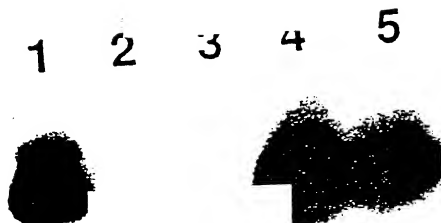


Figure
8B

00027450-101804

299 

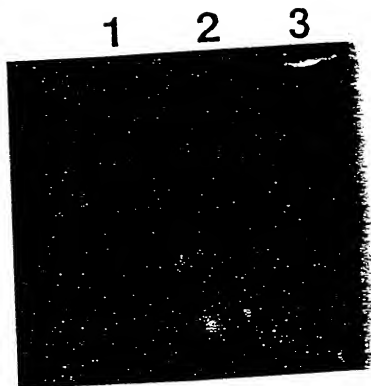


Figure
9

Scheme for recombination assay

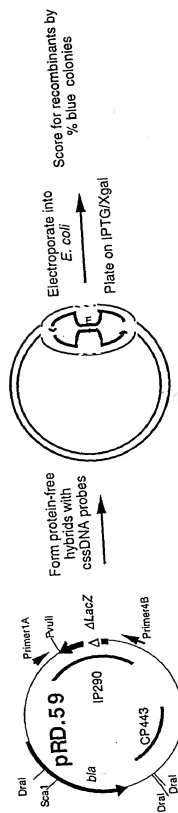


Figure 10

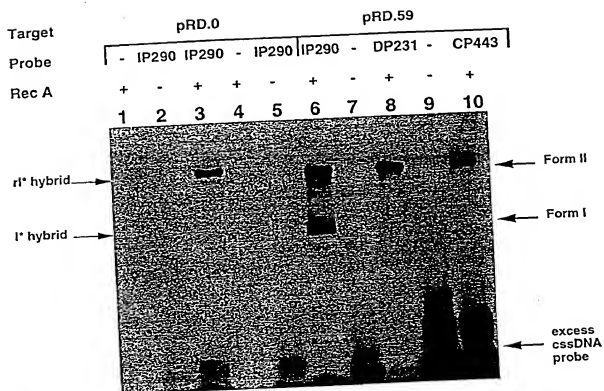


FIGURE 11

cssDNA Probe:Target Hybrids Enhance Homologous Recombination

Target Probe	RecA coating	Host	%Recombinant / total colonies
pRD.59	-	RecA+	0
	+	RecA -	0
pRD.59 IP290	-	RecA+	0
IP290	-	RecA -	0
pRD.59 IP290	+	RecA+	3
IP290	+	RecA -	0
pRD.59 DP290	-	RecA+	0
DP290	-	RecA -	0
pRD.59 DP290	+	RecA+	0
DP290	+	RecA -	0
pRD.59 CP443	-	RecA+	0
CP443	-	RecA -	0
pRD.59 CP443	+	RecA+	0
CP443	+	RecA -	0

Figure 12

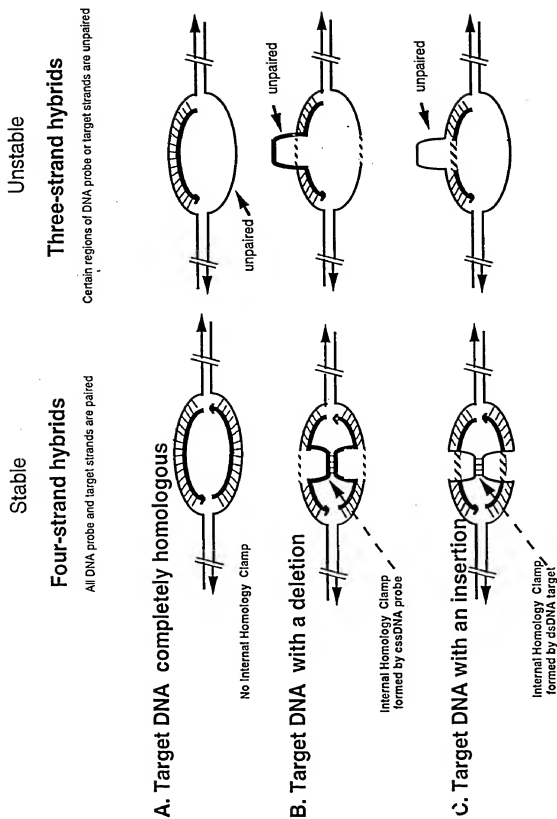


Figure 13

Figure 14A

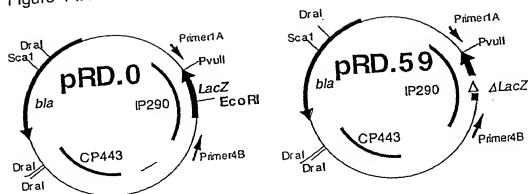


Figure 14B

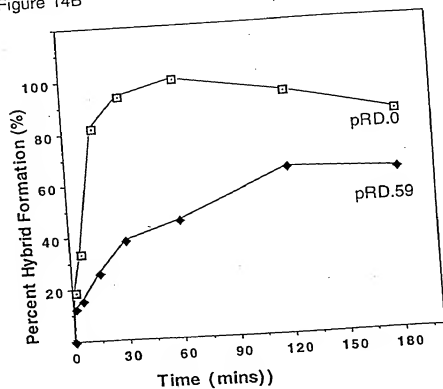


Figure 15B

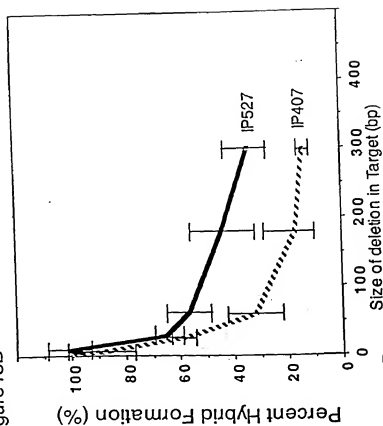


Figure 15D

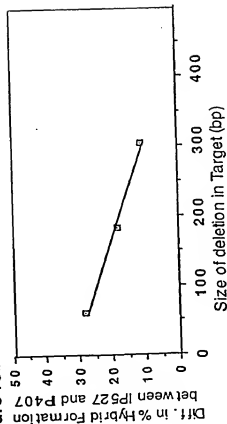
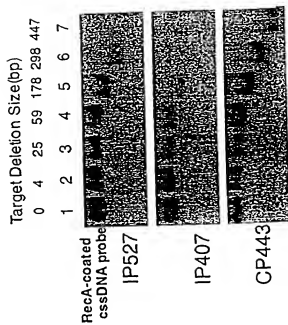


Figure 15C



Size of Insertion or Deletion (bp)	IP215 Percent Hybrid Formation (%)	DP215 Percent Hybrid Formation (%)
0	100	100
2	55	50
24	40	38
58	30	22

Figure 16

Figure 17A

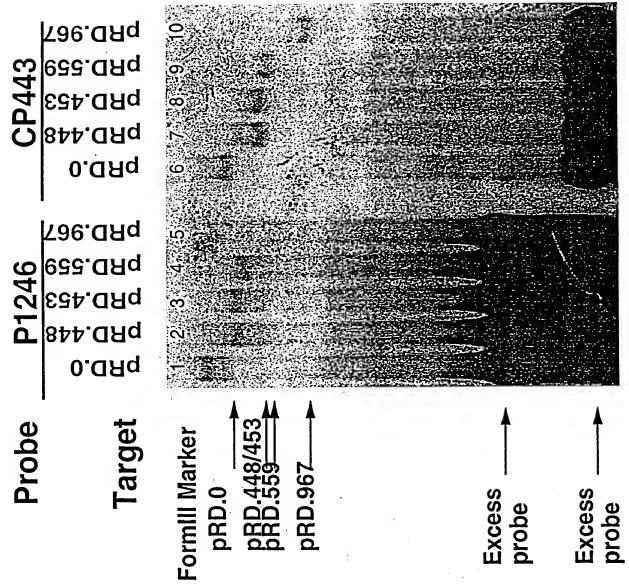


Figure 17B

TARGET DNA	AMT. HOMOL. (bp)	RELATIVE HYBRIDIZATION
pRD.0	1246	1.0
pRD.448	798	0.8
pRD.453	793	0.8
pRD.559	687	0.8
pRD.967	279	0.3

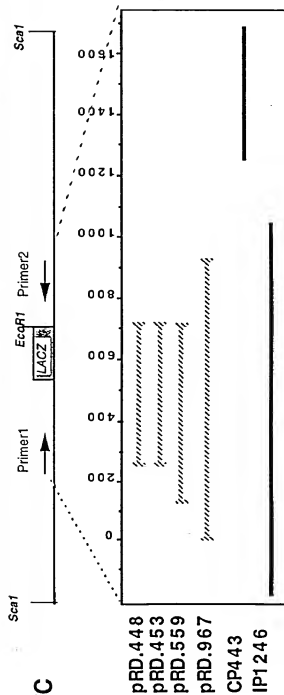


Figure 17C

Figure 18

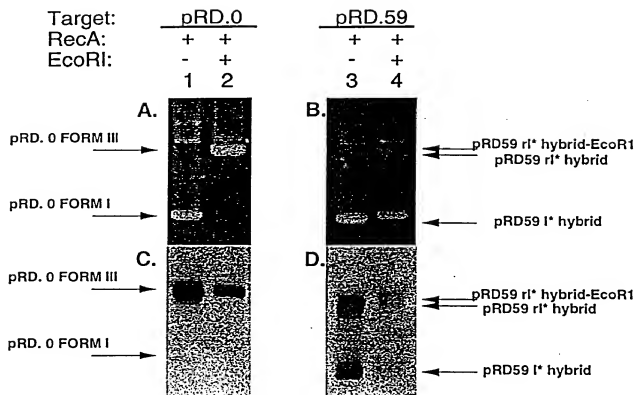


Figure 19

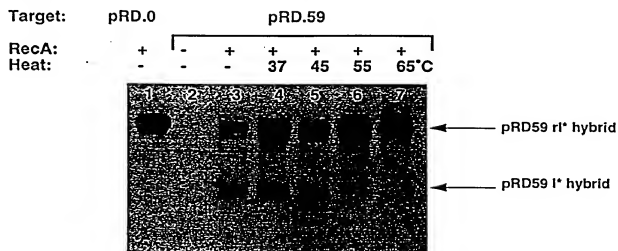


Figure 21

OTC exon4 DNA sequence determination

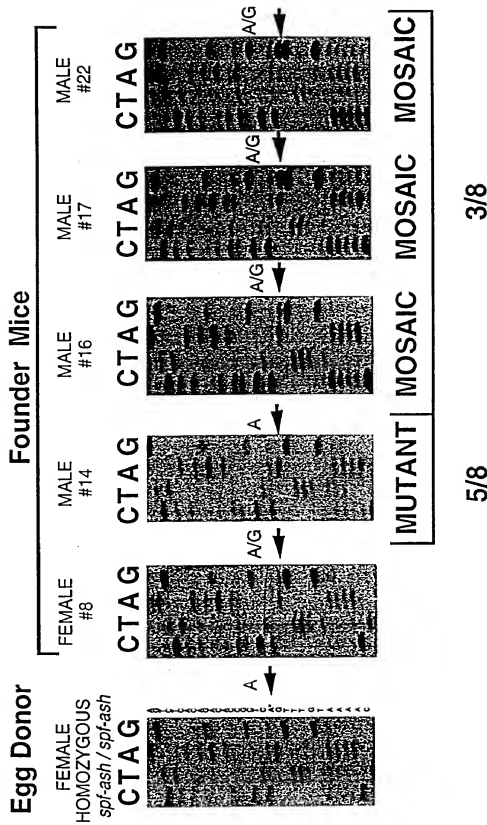


Figure 22 Germline Transmission of EHR Corrected OTC+ Allele

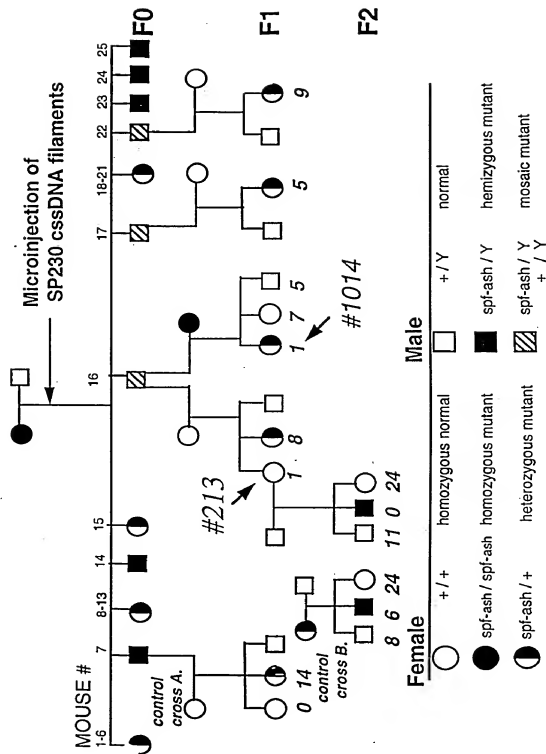


Figure 23 Germline Transmission of Corrected Allele of F0 Male #16

